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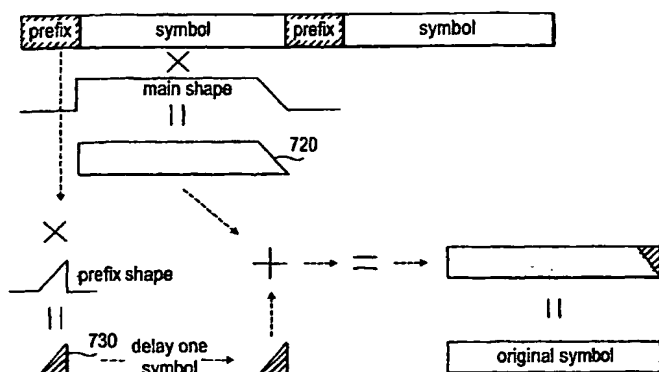
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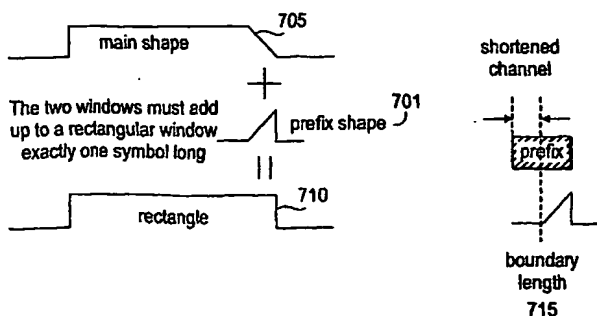
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[Continued on next page]

(54) Title: A METHOD AND SYSTEM FOR PROVIDING WINDOW SHAPING FOR MULTILINE TRANSMISSION IN A COMMUNICATIONS SYSTEM



(57) Abstract: A method and system for providing window shaping for multiline transmission in a communications system are described. A last portion of a prefix symbol is extracted. A prefix with a prefix window is shaped to create a shaped prefix (701). A DMT symbol is shaped with a DMT window to create a shaped DMT symbol (705). The shaped DMT symbol is combined with the shaped prefix (710).





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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17989

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04J 3/00; 3/12

US CL : 370/210, 525, 526, 527, 529; 375/222, 348

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, P	US 6,535,552 B1 (PESSOA) 18 March 22003 (18.03.2003), column 6 line 45 to col. 11 line 29.	1
Y, P	US 2001/0031016 A1 (SEAGRAVES) 18 October 2001 (18.10.2001), column 4 paragraph 0041-0046.	1
A,E	US 6,628,704 B1 (LONG et al) 30 September 2003 (30.09.2003), see entire document.	1

<input type="checkbox"/> Further documents are listed in the continuation of Box C.		<input type="checkbox"/> See patent family annex.	
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<p>"P" document published prior to the international filing date but later than the priority date claimed</p>			
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INTERNATIONAL SEARCH REPORT

PCT/US03/17989

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: DMT discrete Multi-tone, prefix symbol, dmt window